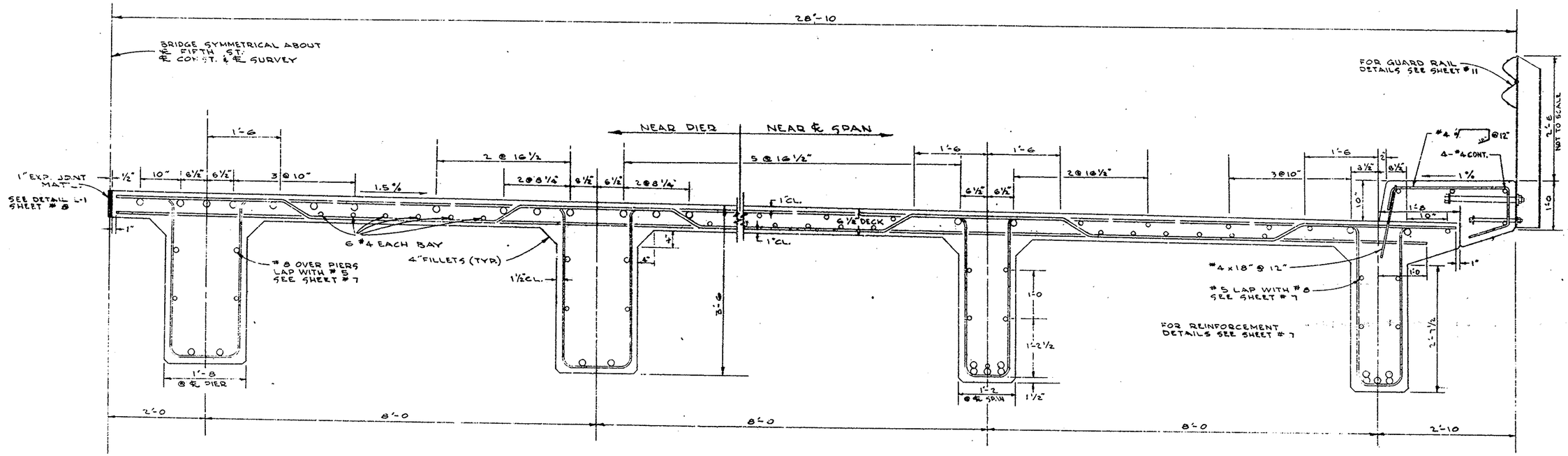

TYPICAL SECTION

Bridge #SA-25
Fifth Street Bridge
Across Santa Ana River
Sheet 6 of 18
Scale 1"=1'
Brownline Print

CURB EXPANSION JOINTS

SHALL BE LOCATED AT ℄ PIERS, ℄ SPANS, AND AT SUPERSTRUCTURE HINGE EXPANSION JOINTS.

SHALL BE AT RIGHT ANGLES TO THE CURB FACE.

SHALL CONSIST OF 1/4" EXPANSION JOINT MATERIAL EXCEPT AT THE HINGES WHERE THEY SHALL CONSIST OF 1" EXPANSION JOINT MATERIAL WITH MASONITE & CELOTEX BETWEEN THE CURB & DECK. PER DETAIL M-1 ON SHEET # 8.

GENERAL NOTES

SPECIFICATIONS:
DESIGN: A.A.S.H.O DATED 1957 AND CALIF. STATE BRIDGE PLANNING AND DESIGN MANUAL.
CONSTRUCTION: STANDARD SPECIFICATIONS O.C.H.D. AND SPECIAL PROVISIONS

LIVE LOADING: H20-S16-44

UNIT STRESSES:
REINFORCED CONCRETE: f_s = 20,000 P.S.I.
f_c = 1,200 P.S.I. (EXCEPT AS NOTED)
f_c = 1,000 P.S.I. (ROADWAY SLAB ON GIRDERS)
f_n = 10
STRUCTURAL STEEL: f_s = 18000 P.S.I.

PILE LOADING: 45 TONS TYPE: REINFORCED CONCRETE

REINFORCEMENT: ALL REINFORCING IS A.S.T.M. - A 305 BARS. EMBEDMENT IS CLEAR TO OUTSIDE OF BAR AND 1½" 2" TO MAIN REINFORCEMENT, EXCEPT AS NOTED. HOOKS & BAR SUPPORTS AS DETAILED IN A.C.I MANUAL OF STANDARD PRACTICE. WHERE REINFORCING BARS ARE SPLICED THEY SHALL HAVE A 20 DIAMETER LAP UNLESS OTHERWISE NOTED. NO STEEL PENETRATES THROUGH 1" EXPANSION MAT'L. ON ℄ CONSTRUCTION.

CONCRETE: CLASS "A" USING TYPE II PORTLAND CEMENT. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE 1" CHAMFER UNLESS OTHERWISE NOTED.

CONCRETE AGGREGATE:
COARSE AGGREGATE FOR CONCRETE MIXTURES SHALL HAVE A CLEANNESS VALUE OF NOT LESS THAN 75 WHEN SUBJECTED TO THE CLEANNESS TEST PERFORMED IN ACCORDANCE WITH CALIFORNIA TEST METHOD # 227 A, JULY 1957.

THE AVERAGE VALUE OF THE SAND EQUIVALENT FOR CONCRETE SAND DETERMINED ON THREE SUCCESSIVE SAMPLES SHALL NOT BE LESS THAN 75 WITH NO INDIVIDUAL SAMPLE LESS THAN 70 WHEN THE TEST IS PERFORMED IN ACCORDANCE WITH CALIFORNIA TEST METHOD # 217 B, JANUARY 3, 1956.

As Built No Change

ORANGE COUNTY HIGHWAY DEPARTMENT
5TH. STREET BRIDGE
ACROSS SANTA ANA RIVER
TYPICAL SECTION
DESIGNED BY J.A.W. 2-61
CHECKED BY J.A.W. 2-61
APPROVED J.A.W. 2-61
SCALE 1" = 1'-0"
SHEET 6

MICROFILMED
JUN 18 1962

Fifth Street Br.